

October 28, 2004

10 CFR 54

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop: OWFN P1-35
Washington, D.C. 20555-0001

Gentlemen:

In the Matter of)	Docket Nos. 50-259
Tennessee Valley Authority)	50-260
		50-296

BROWNS FERRY NUCLEAR PLANT (BFN) - UNITS 1, 2, AND 3 LICENSE RENEWAL APPLICATION - FIRE PROTECTION SECTION VERBAL REQUEST ON OCTOBER 20, 2004 - RESPONSE TO NRC REQUEST FOR ADDITIONAL INFORMATION (TAC NOS. MC1704, MC1705, AND MC1706)

By letter dated December 31, 2003, TVA submitted, for NRC review, an application pursuant to 10 CFR 54, to renew the operating licenses for the Browns Ferry Nuclear Plant, Units 1, 2, and 3. As part of its review of TVA's license renewal application, the NRC staff, through a verbal request on October 20, 2004, identified two additional questions in the fire protection area that require a formal response from TVA. The two questions and responses were discussed during GALL Audit Number 1 during the week of June 26, 2004.

The enclosure to this letter contains the specific NRC requests for additional information and the corresponding TVA responses.

U.S. Nuclear Regulatory Commission
Page 2
October 28, 2004

If you have any questions regarding this information, please contact Ken Brune, Browns Ferry License Renewal Project Manager, at (423)751-8421.

I declare under penalty of perjury that the foregoing is true and correct. Executed on this 28th day of October, 2004.

Sincerely,

Original Signed by

T. E. Abney
Manager of Licensing
and Industry Affairs

Enclosure:
cc: See page 3

U.S. Nuclear Regulatory Commission
Page 3
October 28, 2004

Enclosure

cc (Enclosure):

State Health Officer
Alabama Department of Public Health
RSA Tower - Administration
Suite 1552
P.O. Box 303017
Montgomery, Alabama 36130-3017

Chairman
Limestone County Commission
310 West Washington Street
Athens, Alabama 35611

(Via NRC Electronic Distribution)

Enclosure

cc (Enclosure):

U.S. Nuclear Regulatory Commission
Region II
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW, Suite 23T85
Atlanta, Georgia 30303-8931

Mr. Stephen J. Cahill, Branch Chief
U.S. Nuclear Regulatory Commission
Region II
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW, Suite 23T85
Atlanta, Georgia 30303-8931

NRC Senior Resident Inspector
Browns Ferry Nuclear Plant
10833 Shaw Road
Athens, Alabama 35611-6970

NRC Unit 1 Restart Senior Resident Inspector
Browns Ferry Nuclear Plant
10833 Shaw Road
Athens, Alabama 35611-6970

cc: continued page 4

U.S. Nuclear Regulatory Commission
Page 4
October 28, 2004

cc: (Enclosure)

Kahtan N. Jabbour, Senior Project Manager
U.S. Nuclear Regulatory Commission
(MS 08G9)
One White Flint, North
11555 Rockville Pike
Rockville, Maryland 20852-2739

Eva A. Brown, Project Manager
U.S. Nuclear Regulatory Commission
(MS 08G9)
One White Flint, North
11555 Rockville Pike
Rockville, Maryland 20852-2739

Yaira K. Diaz-Sanabria, Project Manager
U.S. Nuclear Regulatory Commission
(MS 011F1)
One White Flint, North
11555 Rockville Pike
Rockville, Maryland 20852-2739

Ramachandran Subbaratnam, Project Manager
U.S. Nuclear Regulatory Commission
(MS 011F1)
One White Flint, North
11555 Rockville Pike
Rockville, Maryland 20852-2739

ENCLOSURE

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)
UNITS 1, 2, AND 3
LICENSE RENEWAL APPLICATION (LRA) ,

RESPONSE TO NRC REQUEST FOR ADDITIONAL INFORMATION (RAI) ,
RELATED TO THE FIRE PROTECTION SECTION VERBAL REQUEST ON
OCTOBER 20, 2004 FROM THE LICENSE RENEWAL APPLICATION

(SEE ATTACHED)

**TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)
UNITS 1, 2, AND 3
LICENSE RENEWAL APPLICATION (LRA) ,**

**RESPONSE TO NRC REQUEST FOR ADDITIONAL INFORMATION (RAI) ,
RELATED TO THE FIRE PROTECTION SECTION VERBAL REQUEST ON
OCTOBER 20, 2004 FROM THE LICENSE RENEWAL APPLICATION**

By letter dated December 31, 2003, TVA submitted, for NRC review, an application pursuant to 10 CFR 54, to renew the operating licenses for the Browns Ferry Nuclear Plant, Units 1, 2, and 3. As part of its review of TVA's license renewal application, the NRC staff, through a verbal request on October 20, 2004, identified two additional questions in the fire protection area that require a formal response from TVA. The two questions and responses were discussed during GALL Audit Number 1 during the week of June 26, 2004.

Listed below are the specific NRC requests for additional information and the corresponding TVA responses.

LRA Section Fire Protection

Question 137

NRC Issue

Procedure FP-0-041-INS008, Process Computer Room Halon 1301 System Functional Test, identifies a Halon 1301 Total Flooding System on Elevation 539 of the Control Bay (Room 594.0-C1). No reference to Halon Systems appears in the LRA (Scoping Screening, AMR or AMP.) Justify the exclusion of this system from license renewal.

TVA Response

The Halon system does not provide fire protection for any equipment required for plant shutdown but is installed to provide equipment/property protection and meet insurance (NEIL) requirements so this system does not meet any of the criteria of 10 CFR 54.4.

Question 140

LRA Section Table 3.3.2.12

NRC Issue

AMP B.2.1.23 Fire Protection Program includes reference to CO₂ Systems inspection. Frequency of 18 months as an exception to GALL. AMR Table 3.3.2.12, CO₂ System Summary of Aging Management Evaluate credits B.2.1.29, One-Time Inspection Program and B.2.1.39, System Monitoring Program for Aging Management. Verify that B.2.1.23 Fire Protection Program is applied to manage aging effects on the CO₂ System.

TVA Response

The aging management review tables should identify the Fire Protection Program as the required aging management program versus the currently identified One-Time Inspection and System Monitoring Programs for managing aging effects in the CO₂ System.